

UNDERSTANDING **STIHL**® E-MATIC OILING

All STIHL chainsaws from the MS 310 and above are equipped with the Ematic oiling system, which saves at least 25% and up to 50% on oiling costs. This involves 3 components of the chainsaw. The oil pump, the guide bar and the chain.

The oil pump – will only pump oil into the guide bar when the chain is rotating. When the saw is idling there is no oil delivery and therefore no oil loss.

The guide bar – is equipped with a “dam” at the point where the oil is pumped into it. This prevents oil from running down the back of the guide bar and being lost. It only allows oil to be passed forwards along the length of the guide bar.

The chain – each drive link on the chain has an oil gallery pressed into it. Oil from the guide bar is pressure fed up the gallery and into each individual rivet along the chain as it moves forward down the guide bar, resulting in optimum lubrication to the chain at all times.

WHAT ARE THE SAVINGS?

If one works on a 6 hour day actual cutting time, the following savings in guide bar oil consumption can be expected (based on 25% oil saving which is a conservative figure):

Guide bar oil tank capacity is on average 360ml – refill every +/- 40 mins.

Guide bar actual oil consumption over 6 hours is 3.24 liters. Normal consumption on chain saws without the Ematic system will be +/- 4.4 liters over 6 hours.

Savings = 1.16 liters per 6 hour day (approximately 350 liters per year). At \$6.20*per liter, savings = \$2170.00 PER CHAINSAW, more than the price of 2 x Stihl MS 381 chainsaws!

(* \$31.00 per 5l guide bar oil)